

WO 2004/040232 A1



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INTERNATIONAL SEARCH REPORT

PCT/IB 03/04247

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01B5/012 G01B5/016 G01B7/012 G01B7/016 G01B11/03		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 766 653 A (MC KAY R) 23 October 1973 (1973-10-23) abstract column 2, line 31 -column 3, line 38; figures 1-4	1-7
X	DE 20 19 895 A (FROHNE HEINRICH PROF DR ING) 4 November 1971 (1971-11-04) page 3, line 3-22; figure 1	1-7
X	US 1 854 346 A (EDWARD OSTLIND) 19 April 1932 (1932-04-19) page 1, line 46-99; figure 1	1,2,4,5, 7
X	US 3 193 937 A (FAY ALLER WILLIS) 13 July 1965 (1965-07-13) column 2, line 29-49; figure 3	1,2,4,5, 7
-/--		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed </div> <div style="width: 45%;"> 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family </div> </div>		
Date of the actual completion of the international search	Date of mailing of the international search report	
27 November 2003	03/12/2003	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer Beyfuß, M	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 0 415 579 A (RENISHAW PLC) 6 March 1991 (1991-03-06) page 5, line 32 -page 6, line 26; figure 3 ---	1,2,4-7
X	US 5 103 572 A (RICKLEFS UBB0) 14 April 1992 (1992-04-14) column 2, line 57 -column 3, line 17; figure 1 ---	1,2,4,5, 7
X	WO 00 60310 A (HOLLOWAY ALAN JAMES ;JONAS KEVYN BARRY (GB); RENISHAW PLC (GB); WR) 12 October 2000 (2000-10-12) page 6, line 11 -page 7, line 22; figures 1,2 page 10, line 22 -page 15, line 3; figures 4A-4E -----	1,2,4,5, 7

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II
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